




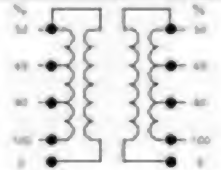

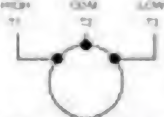



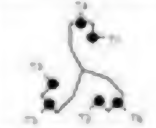





... INDUSTRIAL ELECTRICAL SYMBOLS ...










TRANSFORMERS

AUTO	AIR CORE	CURRENT	CONTROL TRANSFORMER		AUTOTRANSFORMER FOR REDUCED- VOLTAGE STARTING
			SINGLE- VOLTAGE	DUAL- VOLTAGE	
					

AC MOTORS

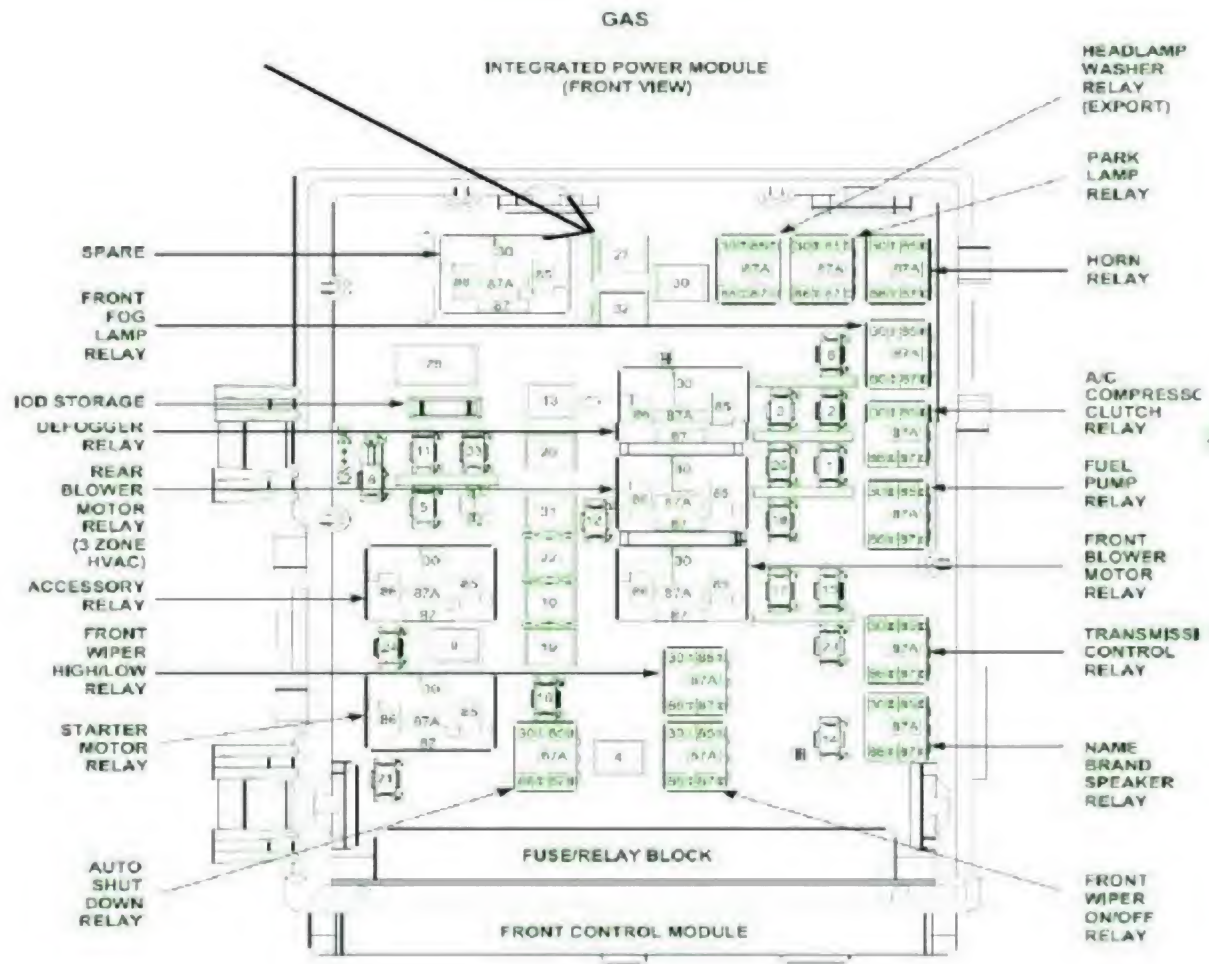
SINGLE- PHASE	SEPARATE PHASE, TWO-SPEED	THREE-PHASE	SEPARATE WINDING, TWO-SPEED	CONSTANT-TORQUE, TWO-SPEED
				
VARIABLE-TORQUE, TWO-SPEED	CONSTANT- HORSEPOWER, TWO-SPEED	WYE-DELTA, REDUCED- VOLTAGE	WYE-CONNECTED, PART WINDING, REDUCED-VOLTAGE	
				

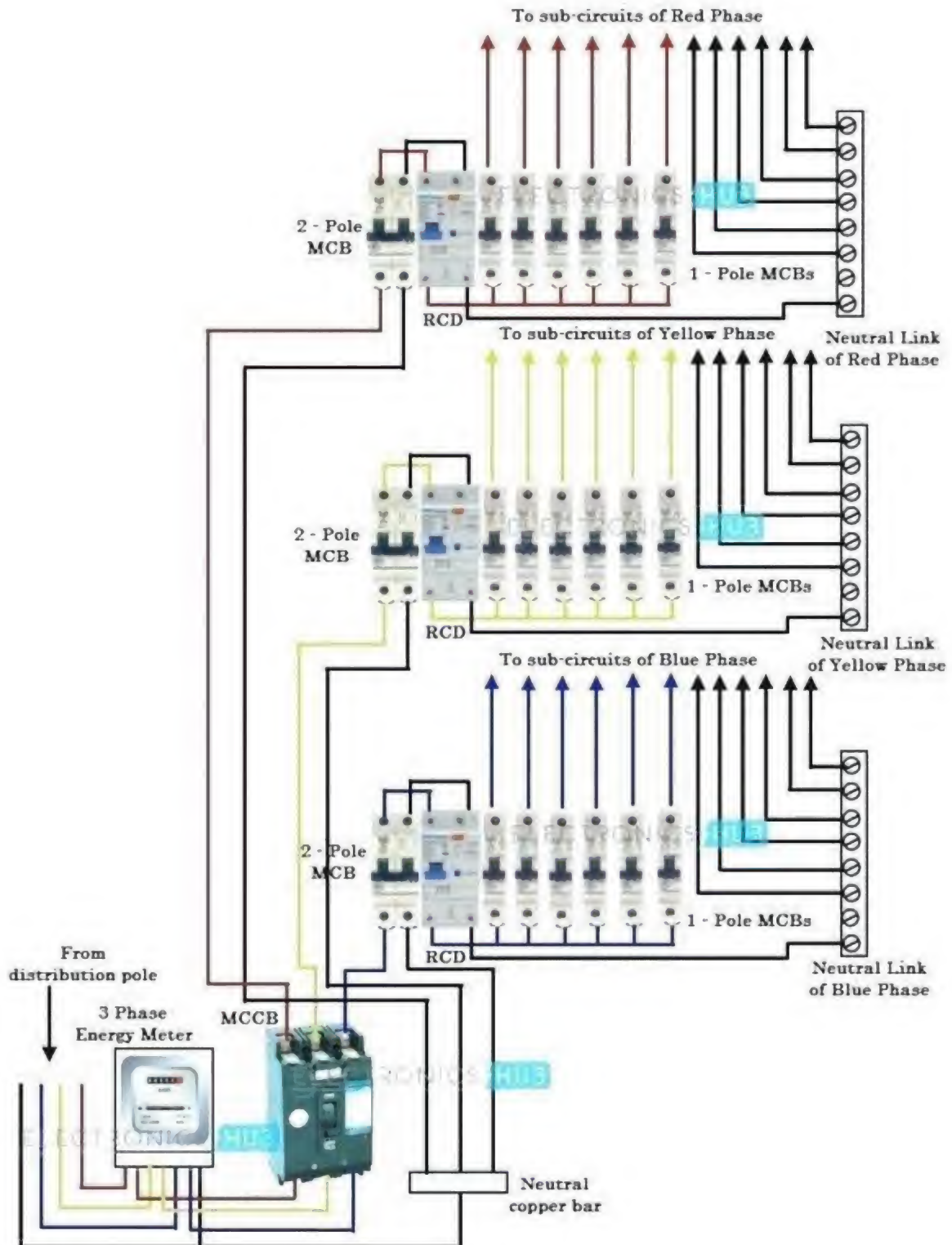
DC MOTORS

DC MOTORS				WIRING			CONNECTIONS
ARMATURE	SHUNT FIELD	SERIES FIELD	COMM OR COMPENS FIELD	NOT CONNECTED	POWER	WIRING TERMINAL	MECHANICAL
							
	SHOW 4 LOOPS	SHOW 3 LOOPS	SHOW 2 LOOPS		CONTROL	GROUND	MECHANICAL INTERLOCK

CONTROL AND POWER CONNECTIONS-600 V OR LESS ACROSS-THE-LINE STARTERS

	1ø	2ø, 4WIRE	3ø
LINE MARKINGS	L1, L2	L1, L3 PHASE 1 L2, L4 PHASE 2	L1, L2, L3
GROUND WHEN USED	L1 IS ALWAYS UNGROUND	—	L2
MOTOR RUNNING OVERCURRENT UNITS IN	1 ELEMENT 2 ELEMENT 3 ELEMENT	L1, L4	L1, L2, L3
CONTROL CIRCUIT CONNECTED TO	L1, L2	L1, L3	L1, L2
FOR REVERSING INTERCHANGE LINES	—	L1, L3	L1, L2





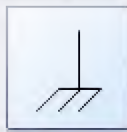
Fundamental Items



Ground



Equi-poten...



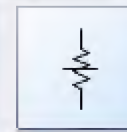
Chassis



Battery



Resister



Attenuator



Capacitor



Accumulat...



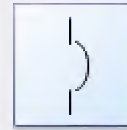
Antenna



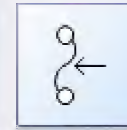
Loop antenna



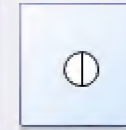
Crystal



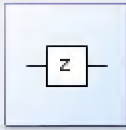
Circuit breaker



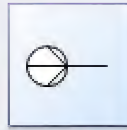
Fuse



Ideal source



Generic component



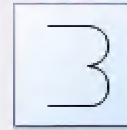
Transducer



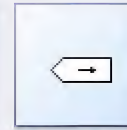
Transducer 2



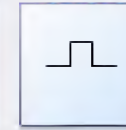
Inductor



Half inductor



Pickup head



Pulse

	GALVANOMETER		ARMATURE ONLY (D.C. MOTOR GENERATOR)
	AMMETER		D.C. GENERATOR
	VOLTMETER		D.C. MOTOR
	CELL		A.C. GENERATOR OR ALTERNATOR
	BATTERY		A.C. MOTOR
	CONNECTIONS		TRANSFORMER, AIR CORE
	NO CONNECTIONS		TRANSFORMER, IRON CORE
	RESISTOR OR FIXED RESISTANCE		COIL, AIR CORE
	RHEOSTAT		COIL, IRON CORE
	POTENTIOMETER		LOUDSPEAKER, PERMANENT MAGNET PLUG
	CONDENSER OR CAPACITOR FIXED		JACK, OPEN CIRCUIT
	CONDENSER OR CAPACITOR VARIABLE		JACK, CLOSED CIRCUIT
	GROUND		HEADPHONES
	ANTENNA		CONTACTS NORMALLY OPEN
	FUSE		CONTACTS NORMALLY CLOSED
	LAMP		SWITCH, SINGLE POLE, SINGLE THROW
	DIODE, DIRECTLY HEATED CATHODE		SWITCH, DOUBLE POLE, SINGLE THROW
	DIODE, INDIRECTLY HEATED CATHODE		SWITCH, DOUBLE POLE, DOUBLE THROW
	TRIODE, INDIRECTLY HEATED CATHODE		SWITCH, ROTARY
			METER SHUNT

